



500 N. Casino Center Blvd.  
Las Vegas, NV 89101

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## LAS VEGAS FIRE & RESCUE

### FIRE PROTECTION ENGINEERING DIVISION

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*The items listed are basic information only. Additional requirements may apply.*

# CO<sub>2</sub> Liquid & Compressed Gas System Installation or Modification

## MINIMUM PERMIT APPLICATION SUBMITTAL REQUIREMENTS

A construction permit is required for the installation of or modification to a CO<sub>2</sub> liquid and or compressed gas system which exceed amounts listed in **Table SNFC 105.6.8**. Liquid CO<sub>2</sub> in excess of 874(cubic feet @ NTP) or 100 pounds or compressed CO<sub>2</sub> gas in excess of 6000(cubic feet @ NTP). **SNFC 105.7.3 & 105.7.4**

The following guideline has been developed to assist with the submittal and permitting process for CO<sub>2</sub> compressed gas installation or modification. CO<sub>2</sub> liquid & compressed gas systems shall not be installed without prior approval.

### Permitting Process:

A complete submittal package shall be submitted to Las Vegas Fire & Rescue/Fire Protection Engineering Division, located at the DSC 333 N. Rancho Drive suite #500. Submittal package shall include:

1. A completed permit application. This application can be downloaded via the City of Las Vegas web site address:  
[http://www.lasvegasnevada.gov/files/Fire\\_Permit\\_Application.pdf](http://www.lasvegasnevada.gov/files/Fire_Permit_Application.pdf)
2. A minimum of three (3) sets of drawing and documents, not to exceed four (4) sets are required to be submitted.

The plans shall be drawn by a licensed contractor/professional engineer in accordance with NRS NRS 623 & NRS 625 to indicated or appropriate scale. Information on all adopted codes and amendments shall be provided on the plans or any accompanying documents/calculations.

Plans and documents should provide:

- Indicate project name and address.
- Installing contractor information including name, local address, State contractor's license number, phone number and email address
- Manufacturer's cut sheets for piping, storage vessels, tank size, gas detection alarms and equipment.
- Engineered process piping drawings to include drawings identifying products point of use.
- Ventilation system drawings and cut sheets.
- Drawings showing notification device locations, and gas detector locations including set limits for detection system.
- Drawing details for tank anchorage (seismic restraints).
- Remote pressure & level indicators, markings and signage.

3. Scope of work letter to be prepared by installing contractor:

All scope of work letters shall include the project's name and address, including a suite number if applicable. A paragraph describing the scope of work to be performed shall be in sufficient detail to indicate where on the property the work is to be completed and the type of work to be performed. The make and model number of any new device or equipment shall also be included. The letter shall be signed by a "Qualified Employee" of the installing contractor.

The items listed are basic information only. Additional requirements may apply.

**Failure to provide the minimum required information may result in application/submittal not being accepted.**

**Las Vegas Fire & Rescue**  
**Fire Protection Engineering Division**  
**(702)229-5397**  
**Fax (702)229-0718**  
**Fire Prevention Division**  
**(702)229-0366**  
**Fax (702) 229-0124**  
[www.lasvegasnevada.gov/LawsCodes/fire\\_code.asp](http://www.lasvegasnevada.gov/LawsCodes/fire_code.asp)